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C-A OPERATIONS PROCEDURES MANUAL

8.16.7 LINAC Compressed Air System

Text pages 2 through 3

Hand Processed Changes

HPC No.	Date	Page Nos.	Initials

Approved: _____Signature On File_____ _____
Collider-Accelerator Department Chairman Date

R. Grandinetti

8.16.7 LINAC Compressed Air System

1. Purpose

To provide operating instructions to Plant Engineering Refrigeration and Air Conditioning Engineers for the LINAC compressed air system.

2. Responsibilities

Plant Engineering Refrigeration and Air Conditioning Engineers start and stop this system.

3. Prerequisites

3.1 Startup - Coordinate with Water Systems and LINAC control.

3.2 Shutdown - Request permission from LINAC control.

3.3 Qualified and trained Plant Engineering, Air Conditioning and Refrigeration Engineers.

4. Precautions

4.1 Do not operate compressor with valves closed.

4.2 Do not operate compressor without cooling water on.

5. Procedure

5.1 Verify that oil level is at least 1/2 full as indicated in the sight glass.

5.2 Open cooling water valves to compressor, oil cooler, and after cooler.

5.3 Open supply valves to system.

5.4 Inspect condition of compressor drive belts.

5.5 Turn on compressor circuit breaker.

5.6 Start compressor at local start-stop station.

5.7 Observe compressor cycling, general operation, and restore alarms.

5.8 Check oil temperature (< 180 F), oil level (1/2 full), discharge air pressure (< 125 psi).

5.9 Place compressed air dryer system control to on position and observe "on" indicator light.

5.10 For shutdown, turn off compressor and dryer. Close cooling water values to compressor, oil cooler and after cooler.

6. Documentation

Fill in "Status of Equipment" log for LINAC compressor.

7. References

LINAC flow diagram, C.T. Main Drawing #2484-402-M3.

8. Attachments

8.1 C-A-OPM-ATT 8.16.1.a “C-A Water Systems Status of Equipment Log”